# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 03 P 52507 US (90035.211)

Total Pages in this Submission

### TO THE COMMISSIONER FOR PATENTS Mail Stop Patent Application

P.O. Box 1450 Alexandria, VA 22313-1450

inven <b>DR</b>	tion er	titled ERT	: ICAL T	•				(b) is a new utility patent ap	7
and ii	nvente	d by:							
				Prakash, Mi	hel Seit	z and Norbert A	Arnold		
If a C	CONTI	NUA	TION A	PPLICATIO	N, che	ck appropriate l	box and supply	the requisite information:	
	Conti	nuati	on 🗵	Division	al 🗆	Continuation	n-in-part (CIP)	of prior application No.:	09/731,343
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	ch is a		ion 🗆	Division	al 🗆	Continuation	n-in-part (CIP)	of prior application No.:	
Encl	osed a	are:				Application	on Elements		•
1	. 🗵	Filin	g fee as	s calculated	and tra	nsmitted as de	scribed below		
2	. 🛚	Spe	cificatio	n having _	_	18	pages and i	ncluding the following:	
	a.	X	Descrip	otive Title of	the Inv	rention			
	b.	X	Cross	References	to Rela	ited Application	s (if applicable)		
	c.		Statem	ent Regard	ing Fed	erally-sponsore	ed Research/De	evelopment (if applicable)	
	d.		Refere	nce to Sequ	ience L	isting, a Table,	or a Computer	Program Listing Appendix	
	e.	$\boxtimes$	Backgr	ound of the	Inventi	on			
	f.	$\boxtimes$	Brief S	ummary of	the Inve	ention			
	g.	$\boxtimes$	Brief D	escription o	f the Dr	awings (if filed)	)		
	h.	$\boxtimes$	Detaile	d Description	on				
	i.	$\boxtimes$	Claim(	s) as Classi	fied Bel	ow			
	j.	$\boxtimes$	Abstra	ct of the Dis	closure				

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### Application Elements (Continued) Drawing(s) (when necessary as prescribed by 35 USC 113)

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	a.	$\boxtimes$	Formal	l		Number of Sheet	s	1	9	_			
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4.	X	Oath	Oath or Declaration										
	a.		☐ Newly executed (original or copy) ☐ Unexecuted										
	b.	X	☑ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)										
	C.	X	☑ With Power of Attorney ☐ Without Power of Attorney										
	d.		☐ <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).										
5.		Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.											
6.		CD F	₹OM or	CD-R	in duļ	olicate, large table	or Compu	ter Pr	ogram (App	oendix)			
7.		Appl	cation	Data S	heet (	See 37 CFR 1.76)	)					•	
8.		Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)											
	a.	☐ Computer Readable Form (CRF)											
	b.		☐ Specification Sequence Listing on:										
			i. 🗆	CD-F	ROM (	or CD-R (2 copies)	; or						
		ii. 🔲 Paper											
	C.		Statem	nent(s)	Verify	ing Identical Pape	r and Com	puter	Readable	Сору			
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10.		37 C	FR 3.7	3(B) St	atem	ent (when there is	an assigne	ee)					
11.		Engl	ish Tra	nslatior	n Doc	ument <i>(if applicabl</i>	e)						
12.	$\boxtimes$	Information Disclosure Statement/PTO-1449   Copies of IDS Citations											
13.	$\boxtimes$	Preliminary Amendment											
14.	$\boxtimes$	Retu	rn Rec	eipt Po	stcard	I (MPEP 503) (She	ould be sp	ecifica	ally itemized	d)			
15.		Cert	fied Co	py of P	riority	Document(s) (if for	oreign prio	rity is	claimed)				
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Docket No. 03 P 52507 US (90035.211)

Total Pages in this Submission

# Accompanying Application Parts (Continued) 17. Additional Enclosures (please identify below): Please cancel claims 1-5 in the prior application before calculating the filing fees below. Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2) 18. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application. Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

07/11/03

CC:

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

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### Fee Calculation and Transmittal

### **CLAIMS AS FILED** For #Filed #Allowed #Extra Rate Fee **Total Claims** 5 - 20 = 0 \$18.00 \$0.00 Indep. Claims - 3 = \$84.00 \$0.00 Multiple Dependent Claims (check if applicable) \$0.00 **BASIC FEE** \$750.00 OTHER FEE (specify purpose) \$0.00 **TOTAL FILING FEE** \$750.00 ☐ A check in the amount of to cover the filing fee is enclosed. ☐ The Director is hereby authorized to charge and credit Deposit Account No. as described below. ☐ Charge the amount of as filing fee. ☐ Credit any overpayment. ☐ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance pursuant to 37 C.F.R. 1.311(b). Thomas R. FitzGerald, Ésq. Dated: Reg. No. 26,730 16 E. Main St., Suite 210 Rochester, New Y rk 14614-1803 Telephone: (585) 454-2250 PATENT TRADEMARK OFFICE Fax: (585) 454-6364

CERTIFICATE OF DATE Applicant(s): V. C. JaiP	Docket No. 03P52507US (90035.211)								
Serial No. TBA	Filing Date Filed Herewith	Examiner TBA	Group Art Unit						
Invention: DRAM VER FABRICATI	TICAL TRANSISTOR AND TRE	ENCH CAPACITOR MEMOR	Y CELLS AND METHOD OF						
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(Identify type of correspondence)									
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37									
CFR 1.10 in an envelo	pe addressed to: Commissioner	for Patents, P.O. Box 1450, A	Alexandria, VA 22313-1450 on						
	ly 11, 2003								
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		(Typed or Printed Name of Person  (Signature of Person Mailin	Mailing Correspondence)						
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Note: Each paper must have its own certificate of mailing.

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)  Applicant(s): V. C. JaiPrakash, et al.  Docket No. 03P52507US (90035.211								
Serial No. TBA	Group Art Unit TBA							
Invention: DRAM VERTICAL TRANSISTOR AND TRENCH CAPACITOR MEMORY CELLS AND METHOD OF FABRICATION								
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Serial No. TBA	Filing Date Filed Herewith	Examiner TBA	Group Art Unit TBA
Invention: DRAM VER FABRICATI		RENCH CAPACITOR MEMOR	Y CELLS AND METHOD OF
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Serial No. TBA	Filing Date Filed Herewith	Examiner TBA	Group Art Unit TBA				
Invention: DRAM VER FABRICATI	TICAL TRANSISTOR AND TRE	ENCH CAPACITOR MEMOR	Y CELLS AND METHOD OF				
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Note: Each paper must have its own certificate of mailing.

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("Express Mail" Mailing Label Number)

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Applicant(s): V. C. JaiPi		.	03P52507US (90035.211)				
Serial No.	Filing Date	Examiner	Group Art Unit				
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CERTIFICATE OF MAPPIICANT(s): V. C. JaiPi	Docket No. 03P52507US (90035.211)								
Serial No.	Filing Date Filed Herewith	Examiner TBA	Group Art Unit						
Invention: DRAM VER' FABRICATI	FICAL TRANSISTOR AND TRE	ENCH CAPACITOR MEMOR	RY CELLS AND METHOD OF						
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	the United States Postal Service pe addressed to: Commissioner	·							
	Penny P. Clements  (Typed or Printed Name of Person Mailing Correspondence)  (Signature of Person Mailing Correspondence)  EU 938685724 US  ("Express Mail" Mailing Label Number)								

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